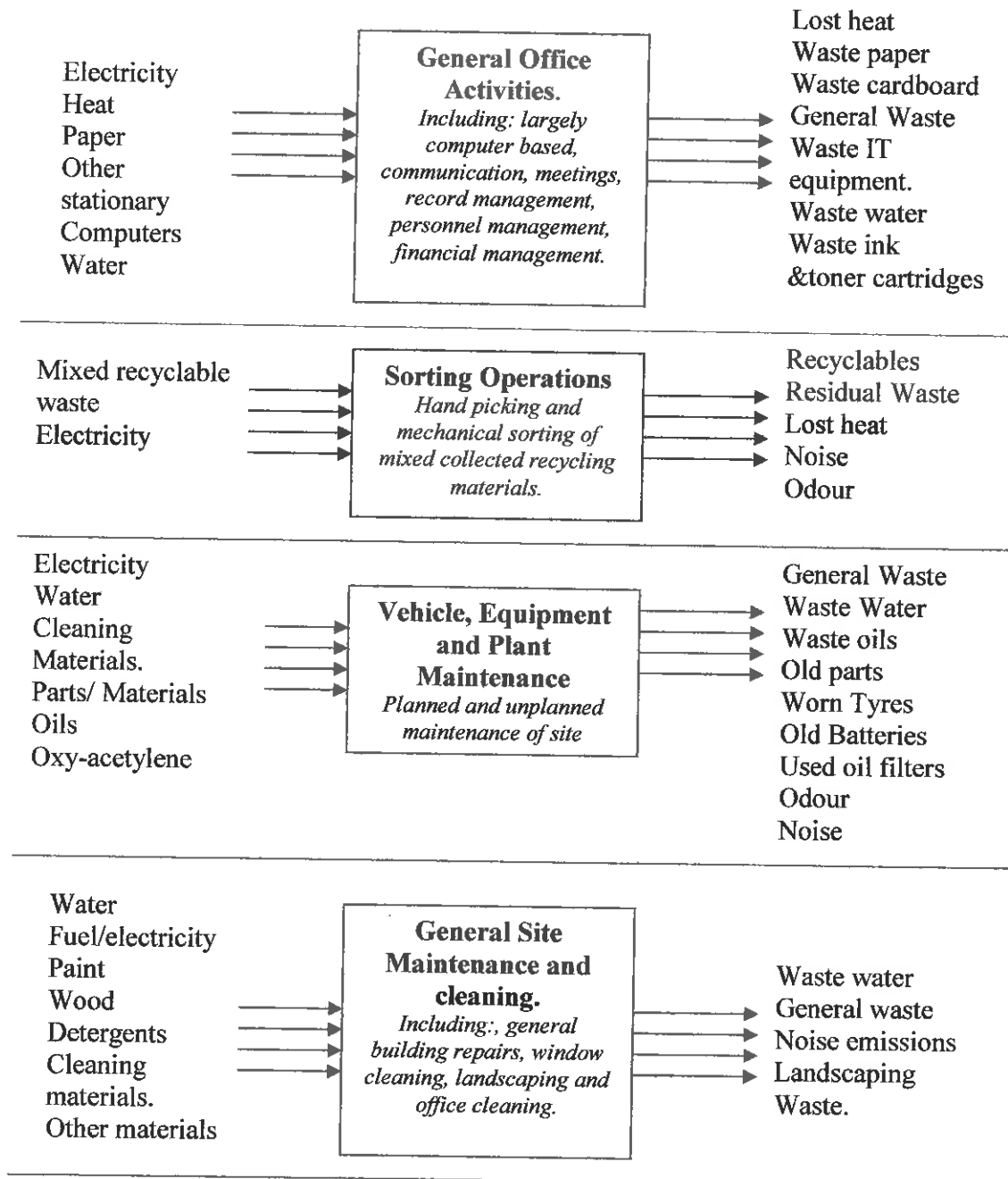
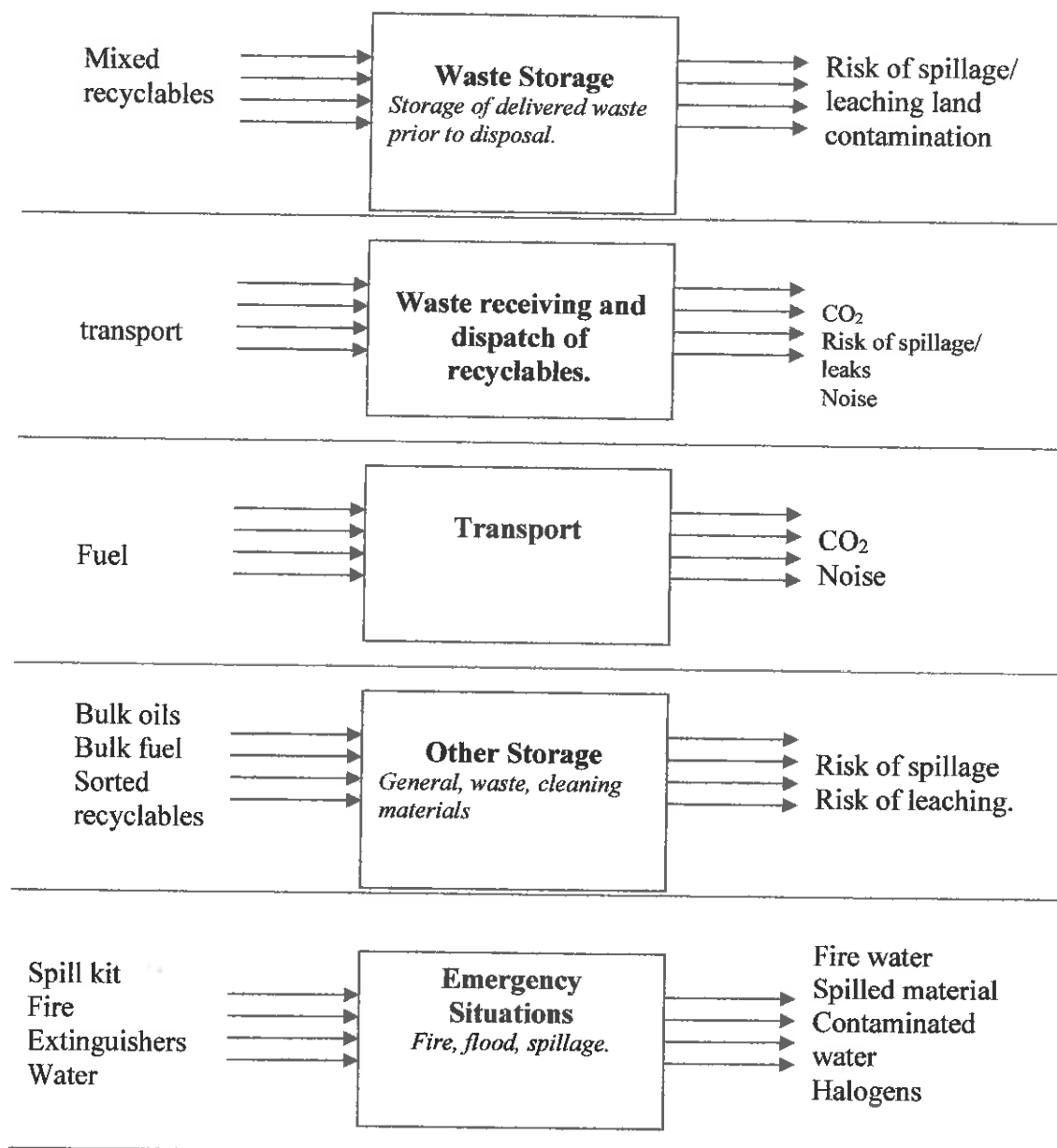


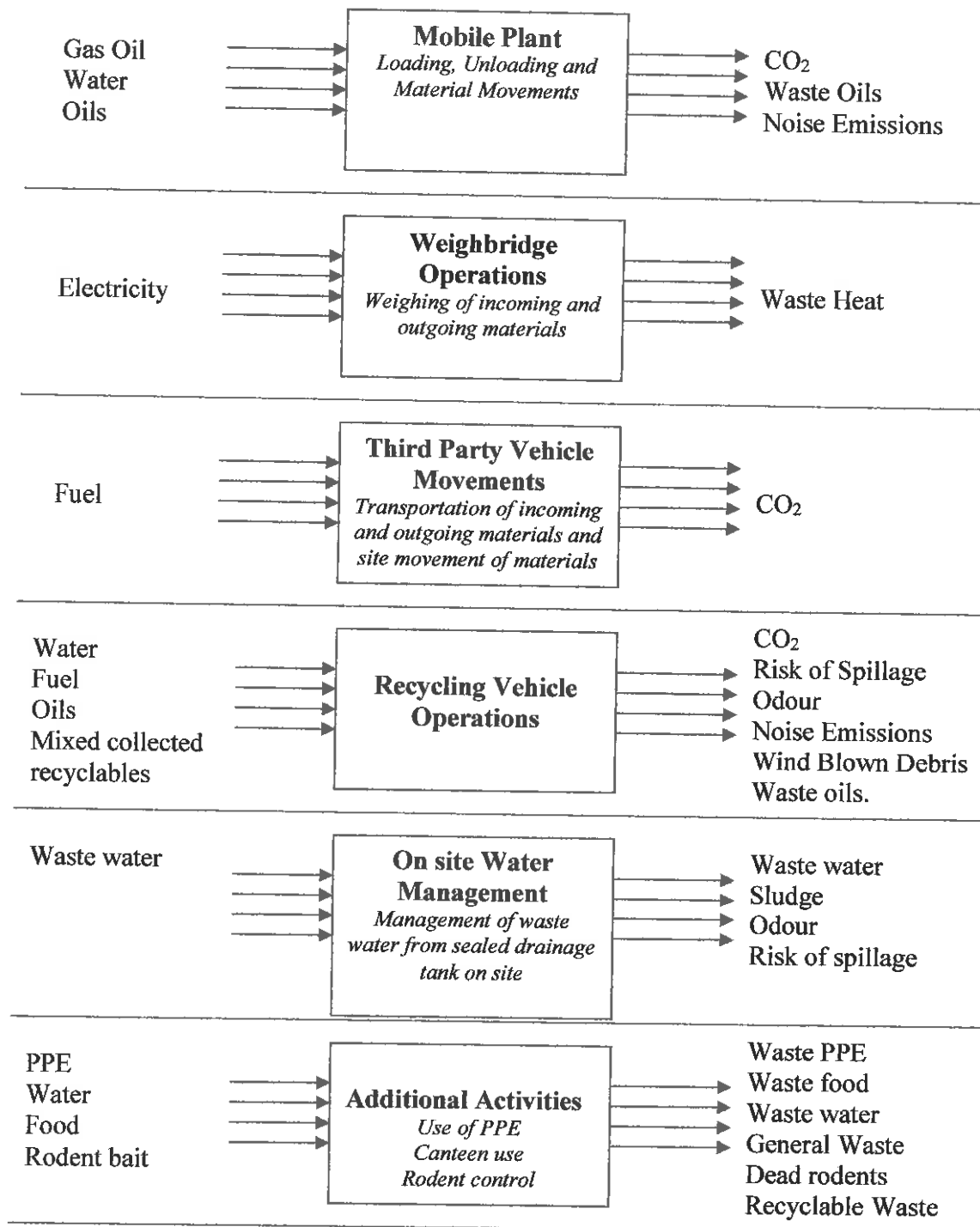
APPENDIX M : Environmental Impact

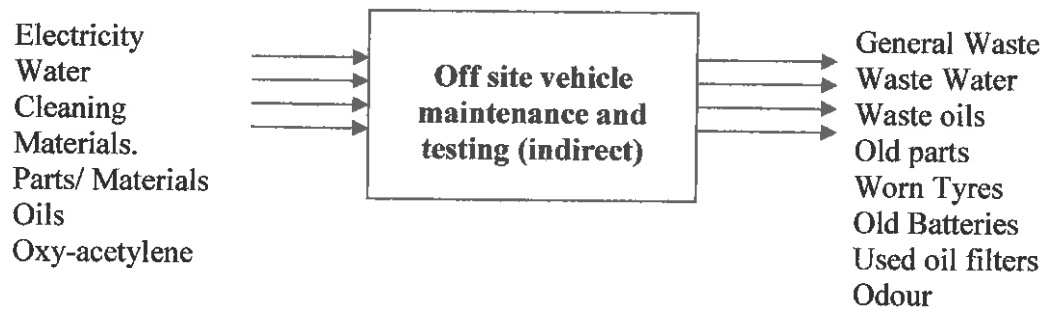
Identification of Environmental Aspects of Dyfed Recycling Services

Directly Controlled Activities.









Indirect (those things that may not be controllable, but the company may have some influence on)
Reprocessing of recyclables – reduction of raw materials, use of energy, production of waste, shipping impacts.

Dyfed Recycling Services Control Procedures

Operating Procedures (OP's) Used to Control Significant Aspects.

Operating Procedure Ref.	Procedure name	Controls Aspect(S)
OP1	Customer Enquiry and Waste Pre Characterisation Procedure	A13, A22, A24
OP2	Waste Acceptance Procedure	A11, A13, A22, A24, A26
OP3	Waste Handling and Treatment	A13, A24
OP4	Wastes Removed from Site	A13, A15, A25, A26
OP5	Emergency/Environmental Procedure	A6, A7, A15, A26, A33, A34

Environmental Control Procedures (ECP's) to Control Significant Aspects.

Procedure Number	Procedure	Aspect Ref.
ECP 1	Fuel handling procedure	A6
ECP 2	Materials Storage	A7, A8, A9A23, A24
ECP 3	Waste Water Handling	A15
ECP 4	Site cleansing	A26

Additional Control Documents.

Purchasing Policy
COSHH Assessments
Environmental Policy
Energy Policy

Aspect reference	ASPECT	Probability factors	Severity Factors	Total	Significant?
A1	Use of electricity	5	3	15	yes
A2	Use of Water	5	1	5	no
A3	Use of Paper	5	1	5	no
A4	Use of other stationary materials	5	1	5	no
A5	Use of Computer Equipment	5	1	5	no
A6	Use of fuels (diesel/LPG)	5	3	15	yes
A7	Purchase and use of paint, wood and other maintenance and repair materials	3	2	6	no
A8	Use of oxyacetylene	3	3	9	no
A9	Use of cleaning materials.	4	2	8	no
A10	Diversion of recyclable materials from landfill	5	0	0	no
A11	Receipt of mixed recyclable waste	5	2	10	no
A12	Dispatch of sorted recyclable materials	5	1	5	no
A13	Production of residual waste from sorting operations	5	3	15	yes
A14	Production of waste IT Equipment	2	3	6	no
A15	Production of Waste water	5	3	15	yes
A16	Production of waste tyres, batteries and oil filters.	2	3	6	no
A17	Production of recyclable waste from onsite activities	5	1	5	no
A18	Production of General Waste	5	2	10	no
A19	Loss of waste heat	5	2	10	no
A20	Production of noise	5	2	10	no
A21	Production of CO ₂	5	3	15	yes
A22	Production of Odour	5	2	10	no
A23	Use of oils	4	3	12	yes
A24	Storage of waste prior to sorting	5	3	15	yes
A25	Production, storage and disposal of waste oils	5	3	15	yes
A26	Wind blow debris	4	4	16	yes
A27	Use of spill kits	2	2	4	no
A28	Disposal of contaminated spill kit material	2	3	6	no
A29	Use of fire extinguishers	2	2	4	no
A30	End use of sorted recyclables (indirect)	5	2	10	no
A31	Storage of cleaning materials	5	2	10	no
A32	Flood water	2	4	8	no
A33	Spilled materials or leached materials	2	4	8	no
A34	Fire water run off	2	4	8	no
A35	Production of waste ink and toner cartridges	3	1	3	no
A36	Production of Halogens (from fire fighting equipment)	1	2	2	no

Dyfed Recycling Services

Register of Aspects and Associated Impacts.

Aspect Ref	ASPECT	ACTIVITY	IMPACT	NORMAL/ UNUSUAL/ EMERGENCY	LEGISLATIONS REFERENCE	SIGNIFIANCE RATING
A1	Use of electricity	- General Office Activities - Sorting Operations - Vehicle, Equipment and Plant Maintenance - General Site Maintenance and Cleaning - Weighbridge Operations - Off site vehicle maintenance and testing (indirect).	Production of CO ₂ during production and contribution to climate change	N/U	L10	15
A2	Use of Water	- General Office Activities - Vehicle, Equipment and Plant Maintenance - Emergency situations. - General Site Maintenance and Cleaning - Mobile plant - On site water management - Additional activities - Recycling vehicles - Off site vehicle maintenance and testing (indirect).	Depletion of natural resource and indirect use of energy ensuring its quality	N/U/E	L02 L03	5

A3	Use of Paper	General Office Activities	Depletion of natural resources, use of energy in production	N		5
A4	Use of other stationary materials	General Office Activities	Depletion of natural resources, use of energy in production	N		5
A5	Use of Computer Equipment	General Office Activities	Depletion of natural resources, use of energy in production, hazardous material when disposal required	N	L09	5
A6	Use of fuels (diesel/LPG)	- Vehicle, Equipment and Plant Maintenance - General Site Maintenance and Cleaning - Transport - Waste receiving and dispatch of recyclables - Third party vehicle movements - Mobile plant - Recycling vehicle operations	CO ₂ production, depletion of natural resources	N/U	L02 L03	15
A7	Purchase and use of paint, wood and other maintenance and repair materials	- Vehicle, Equipment and Plant Maintenance - General Site Maintenance and Cleaning	Depletion of natural resources	N/U	L14	6
A8	Use of oxyacetylene	- Vehicle, Equipment and Plant Maintenance - Off site vehicle maintenance and testing (indirect)	Depletion of natural resources, production of greenhouse gases, waste heat	N/U	L14	9
A9	Use of cleaning materials.	- Vehicle, Equipment and Plant Maintenance - General Site Maintenance and Cleaning - Off site vehicle maintenance and testing (indirect)	Depletion of natural resources, potential contamination of controlled water	N/U	L02 L03 L14	8

A10	Diversion of recyclable materials from landfill	• Sorting Operations • Waste receiving and dispatch of recyclables	Reduced need for natural resources, reduced impact on land, water, flora and fauna through landfill disposal	N	L04 L05 L11 L12 L16	0
A11	Receipt of mixed recyclable waste	• Sorting Operations • Waste Storage • Waste receiving and dispatch of recyclables	Reduced need for natural resources, reduced impact on land, water, flora and fauna through landfill disposal	N	L04 L05 L16	10
A12	Dispatch of sorted recyclable materials	• Sorting Operations • Waste receiving and dispatch of recyclables	Reduced need for natural resources, reduced impact on land, water, flora and fauna through landfill disposal	N	L04 L05 L07 L16	5
A13	Production of residual waste from sorting operations	• Sorting Operations	Potential waste going to landfill, resulting in land, air and water pollution	N	L04 L05 L11 L12 L16	15
A14	Production of waste IT Equipment	• General Office Activities	Hazardous waste, if incorrectly disposed of land, air and water pollution, risk to human health	U	L09	6
A15	Production of Waste water	• General Office Activities • Vehicle, Equipment and Plant Maintenance • Emergency situations. • General Site Maintenance and Cleaning • On site water management • Additional activities • Off site vehicle maintenance and testing (indirect)	Potential contamination of land and water, use of natural resources to remediate, potential risk to human health.	N	L02 L03	15

A16	Production of waste tyres, batteries and oil filters.	- Vehicle, Equipment and Plant Maintenance - Off site vehicle maintenance and testing (indirect)	These materials are considered hazardous waste or are banned from landfill so must be disposed of correctly. They have the potential to pollute air, land and water if disposed of incorrectly.	L06	6
A17	Production of recyclable waste from onsite activities	- General Office Activities - Vehicle, Equipment and Plant Maintenance - Emergency situations. - General Site Maintenance and Cleaning - Additional activities	All recyclable waste materials are put through the onsite process	N L04 L05 L16	5
A18	Production of General Waste	- General Office Activities - Vehicle, Equipment and Plant Maintenance - Emergency situations. - General Site Maintenance and Cleaning - Additional activities	Potential waste going to landfill, resulting in land, air and water pollution.	N L04 L05 L16	10
A19	Loss of waste heat	- General Office Activities - Weightbridge Operations	Loss of energy derived from natural resources	N	10
A20	Production of noise	- Sorting Operations - Vehicle, Equipment and Plant Maintenance - General Site Maintenance and Cleaning - Waste receiving and dispatch of recyclables - Transport - Mobile Plant - Recycling Vehicle Operations	Potential nuisance, hearing problems	N/U L08	10

A21	Production of CO ₂	• Transport • Mobile Plant • Third Party Vehicle Movements • Recycling Vehicle Operations.	Contribution to climate change	N		15
A22	Production of Odour	• Sorting Operations • Vehicle, Equipment and Plant Maintenance • Recycling Vehicle Operations • On site water management • Off site vehicle maintenance and testing (indirect)	Potential nuisance, potentially harmful to human health.	N/U	L08	10
A23	Use of oils	• Vehicle, Equipment and Plant Maintenance • Mobile Plant • Recycling Vehicle Operations • Off site vehicle maintenance and testing (indirect)	Hazardous waste, disposal of which may result in land, air and water pollution.	N/U	L06 L14	12
A24	Storage of waste prior to sorting	• Waste Storage	Possible leaching to controlled waters	N	L02 L03 L04 L05 L16	15
A25	Production, storage and disposal of waste oils	• Other storage • Vehicle, Equipment and Plant Maintenance • Mobile Plant • Off site vehicle maintenance and testing (indirect) • Recycling vehicles	Risk of spillage	N/U	L06 L14	15
A26	Wind blow debris	• Recycling Vehicle Operations	Risk of pollution to land and water, damage to flora, fauna and human health.	U/E	L07 L08	16

A27	Use of spill kits	Emergency situations.	Reduce impact of spillage	E		4
A28	Disposal of contaminated spill kit material	Emergency situations.	Potentially hazardous waste, incorrect disposal may result in land, air and water pollution	E	L06 L14	6
A29	Use of fire extinguishers	Emergency situations.	Production of halogens that may be of risk to human health.	E		4
A30	End use of sorted recyclables (indirect)	Indirect	Unknown outcome after brokerage – potential use of energy (use of a natural resource) to reprocess and other waste products.	N		10
A31	Storage of cleaning materials	- Vehicle, Equipment and Plant Maintenance - General Site Maintenance and Cleaning - Other storage - Off site vehicle maintenance and testing (indirect)	Potential spill and contamination of controlled waters	N	L14	10
A32	Flood water	Emergency situations.	Can result in the leaching of hazardous materials into controlled waters	E	L02	8
A33	Spilled materials or leached materials	- Emergency situations. - Waste Storage - Recycling vehicle operations - On site water management	Can result in the leaching of hazardous materials into controlled waters	E	L02 L03	8
A34	Fire water run off	Emergency situations.	Potential contamination of controlled waters	E	L02 L03	8
A35	Production of waste ink and toner cartridges	General office activities	Depletion of natural resources and potential waste destined for landfill resulting in	N	L04 L05 L16	3

			contamination of land, air and water.			
A36	Production of Halogens (from fire fighting equipment)	Emergency situations	Potential contamination of air, land and water and risk to human health.	E		2